



Point-to-point microwave links distance-engineered for demanding applications

Aprisa XE

Rugged and robust

Carrier-class availability

Long range

Cost-effective

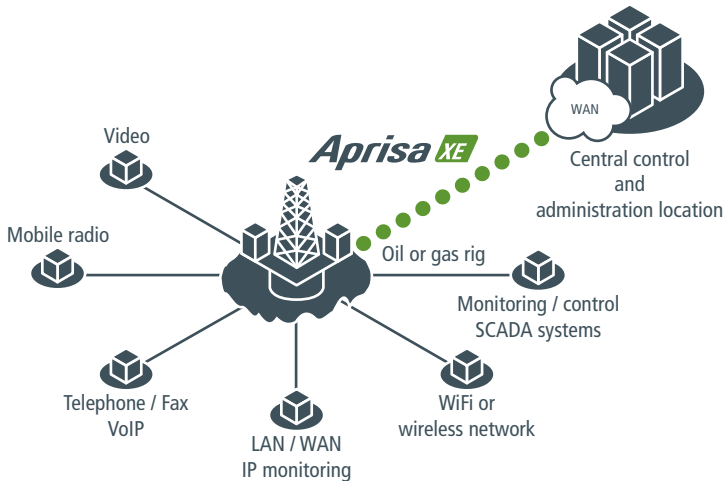
Wireless monitoring and control for oil and gas field installations

Increasing bandwidth requirements for control and monitoring applications, highly stringent regulatory and insurance compliance requirements, the growing use of unmanned remote platforms... all these issues present oil, gas and mining companies with a complex communications challenge. Add to this the need to take into account large metallic structures many miles offshore, often over the horizon, highly variable atmospheric conditions and inhospitable locations, with the need for mission-critical support, and it is clear that the chosen communications products need to be very special. Enter the Aprisa XE family of point-to-point radio links from 4RF, the perfect cost-effective, low latency, secure alternative to satellite links.



ADVANCED POINT-TO-POINT WIRELESS SOLUTIONS

The Aprisa XE supports all types of bandwidth-hungry applications for oil, gas and mining companies, including remote surveillance and security, real-time asset monitoring and control, transfer of geological data and broadband web, email and voice services. It provides a flexible range of legacy and IP interfaces for carrier-class, mission-critical connectivity between head office and remote locations, outperforming satellite links on every level. Operating over distances of up to 250 km (155 miles), the Aprisa XE is ideal for use in adverse weather conditions over water or land, whether as a primary lifeline or a redundant link for oil, gas and mining companies.



SPECIFICATION	APRISA XE
Frequency bands	300 MHz – 2700 MHz (licensed bands)
Modulation	Software configurable from QPSK to 128 QAM
Capacity	72 kbit/s – 65 Mbit/s
Channel sizes	From 25 kHz to 14 MHz (band-dependent)
Interfaces (supported by digital cross connect)	E1 / T1 framed and unframed 2-Wire FXO / FXS 4-Wire E&M V.24 synchronous, asynchronous, over sampling High-speed synchronous X.21 / V.35 / RS-449 / RS-530 10 / 100Base-T Ethernet
Management	Element: Embedded web-based SuperVisor software Network: Any SNMP-compliant NMS platform

Why the Aprisa XE ?

- Rugged and robust** – the Aprisa XE, with its rugged enclosures, ease of install, and industry-leading reliability, has been designed to operate in the harshest of environments, ideal for the exposed, densely packed, metal structures of remote oil and gas fields.
- Carrier-class availability** – with an always-on, 99.999% availability, significant latency improvements over satellite, and built-in data security, the Aprisa XE provides the quality of service required for mission-critical demanding applications such as real-time monitoring and control of unmanned platforms.
- Long range** – with support for long-distance challenging links, often offshore over the horizon, the Aprisa XE is ideal for remote environments, eliminating the need for additional infrastructure such as repeater stations.
- Cost-effective** – the Aprisa XE supports a wide variety of offshore applications, optimising capital expenditure, virtually eliminating operational expenditure and financially outperforming satellite communications for a low total cost of ownership.

ABOUT 4RF

Operating in more than 130 countries, 4RF provides radio communications equipment for critical infrastructure applications. Customers include utilities, oil and gas companies, transport companies, telecommunications operators, international aid organisations, public safety, military and security organisations. 4RF point-to-point and point-to-multipoint products are optimized for performance in harsh climates and difficult terrain, supporting IP, legacy analogue, serial data and PDH applications.

Copyright © 2012 4RF Limited. All rights reserved. This document is protected by copyright belonging to 4RF Limited and may not be reproduced or republished in whole or part in any form without the prior written consent of 4RF Limited. While every precaution has been taken in the preparation of this literature, 4RF Limited assumes no liability for errors or omissions, or from any damages resulting from the use of this information. The contents and product specifications within it are subject to revision due to ongoing product improvements and may change without notice. Aprisa and the 4RF logo are trademarks of 4RF Limited. Version 1.3.0



TELEPHONE +64 4 499 6000
FACSIMILE +64 4 473 4447
EMAIL sales@4rf.com
URL www.4rf.com